

AD-A096 053

NAVAL AIR ENGINEERING CENTER LAKEHURST NJ ENGINEERIN--ETC F/G 13/10
CERTIFICATION TEST PROCEDURE, FDSSS (FLIGHT DECK STATUS AND SIG--ETC(U)
FEB 81 L J EMERY
NAEC-91-7989

UNCLASSIFIED

NL

10-1
4/20/81

END

DATE

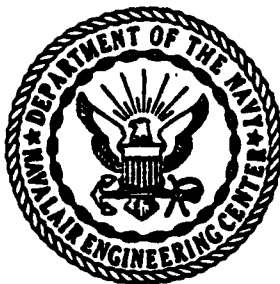
FILMED

4-2-81

DTIC

LEVEL

12
B.S.



LAKEHURST, N.J.
08733

NAVAL AIR ENGINEERING CENTER

REPORT NAEC-91-7989

CERTIFICATION TEST PROCEDURE
FDSSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM) A/W24A-1

AD A 096053

Aircraft, Weapons, Ship & VLA Division
Ship and Shore Installations Engineering Department
Naval Air Engineering Center
Lakehurst, New Jersey 08733

9 FEBRUARY 1981

A59-59-60/051D/OW0474-0000
Work Unit No. A5511C-04

DTIC
ELECTRONIC
S MAR 6 1981
C

APPROVED FOR PUBLIC RELEASE:
DISTRIBUTION UNLIMITED

Prepared for

Commander
Naval Air Systems Command
(AIR-551)
Washington, DC 20361

SHIP _____

HULL NO. _____

DATE _____

DDC FILE COPY

81 2 04 002

NAEC-91-7989

CERTIFICATION TEST PROCEDURE
FDSSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM) A/W24A-1

Prepared by: Leo J. Emery Jr.
Leo J. Emery, Jr.

Approved by: F. B. Boice
F. B. BOICE
Engineering Officer

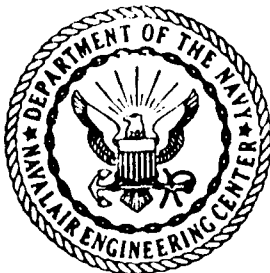
NOTICE

Reproduction of this document in any form by other than naval activities is not authorized except by special approval of the Secretary of the Navy or the Chief of Naval Operations as appropriate.

The following espionage notice can be disregarded unless this document is plainly marked CONFIDENTIAL or SECRET.

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

2/9/81 NA



LAKEHURST, N.J.
08733

NAVAL AIR ENGINEERING CENTER

REPORT NAEC-91-7989

CERTIFICATION TEST PROCEDURE FDSSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM) A/W24A-1

Aircraft, Weapons, Ship & VLA Division
Ship and Shore Installations Engineering Department
Naval Air Engineering Center
Lakehurst, New Jersey 08733

9 FEBRUARY 1981

A59-59-60/051D/OW0474-0000
Work Unit No. A5511C-04

APPROVED FOR PUBLIC RELEASE:
DISTRIBUTION UNLIMITED

Approved for	
RECEIVED	
FLIGHT	
CONTROL	
SECTION	
LAKEHURST, N.J.	
DATE	
BY	
NAME	
POSITION	
APPROVED	
NAME	
POSITION	

A

Prepared for

Commander
Naval Air Systems Command
(AIR-551)
Washington, DC 20361

SHIP _____

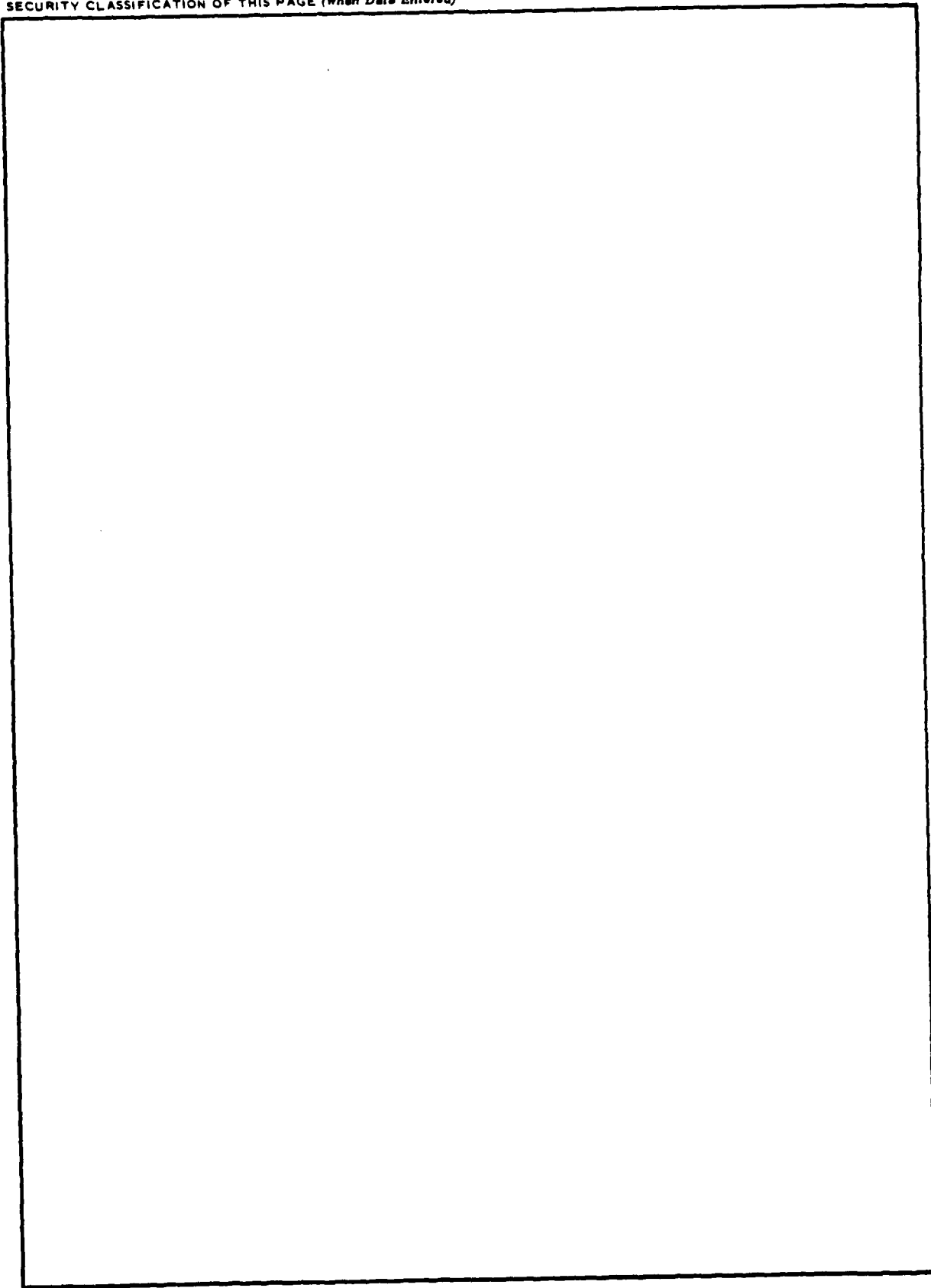
HULL NO. _____

DATE _____

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 14) NAEC-91-7989 ✓	2. GOVT ACCESSION NO. ADA096053	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) 6 Certification Test Procedure. FDSSS (Flight Deck Status and Signaling System). A/W24A-1.	5. TYPE OF REPORT & PERIOD COVERED 9 Final rept.	
7. AUTHOR(s) 10 Leo J./Emery, Jr.	6. PERFORMING ORG. REPORT NUMBER	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Commanding Officer Naval Air Engineering Center (Code 91131) Lakehurst, NJ 08733	8. CONTRACT OR GRANT NUMBER(s)	
11. CONTROLLING OFFICE NAME AND ADDRESS Commander Naval Air Systems Command (AIR-551) Washington, DC 20361	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS A59-59-60/051D/OW0474-0000 Work Unit A5511C-04	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) 16 W0474 17 W	12. REPORT DATE 11 9 FEBRUARY 1981	
	13. NUMBER OF PAGES 12 24	
	15. SECURITY CLASS. (of this report) Unclassified	
15a. DECLASSIFICATION/DOWNGRADING SCHEDULE		
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This document is a test procedure to be followed by a NAVAIRENGCEN test agency in testing the FDSSS. Its implementation will allow the NAVAIRENGCEN to certify that equipment is sound and operating at an acceptable level of performance.		

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

TABLE OF CONTENTS

<u>Section</u>	<u>Subject</u>	<u>Page</u>
	TABLE OF CONTENTS.....	1
	LIST OF FIGURES.....	1
I	INTRODUCTION.....	2
II	GENERAL DATA RECORD.....	3
III	PRELIMINARY INSPECTION OF FDSSS.....	3
IV	OPERATIONAL TEST OF FDSSS.....	10
V	REFERENCES.....	19
	APPENDIX A - CLASS DRAWING AND TEST AGENT CERTIFICATION.....	A-1

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1	FDSSS BLOCK DIAGRAM.....	4
2	FDSSS REQUEST PANEL.....	6
3	FDSSS RESPONSE PANLL.....	7
4	FDSSS INTERFACE CONTROL UNIT.....	8

UNCLASSIFIED

NO. 00 A096053 (U) FIELD/GROUP 000000

UNCLASSIFIED TITLE

CERTIFICATION TEST PROCEDURE. FDSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM)
ABSTRACT

(U) THIS DOCUMENT IS A TEST PROCEDURE TO BE FOLLOWED BY A NAVAIENGCE TEST
AND SIGNALING SYSTEM (FDSS). ITS IMPLEMENTATION WILL ALLOW THE NAVAIENGCE TO
OPERATE AT AN ACCEPTABLE LEVEL OF PERFORMANCE. (AUTHOR)

INDEX TERMS ASSIGNED

FLIGHT DECK
USE FLIGHT DECKS

SIGNALING SYSTEM
USE SIGNALS

TEST PROCEDURE
USE TEST METHODS

TERMS NOT FOUND DURING LEXICAL DICTIONARY MATCH

CERTIFICATION TEST PROCEDURE

TEST AGENCY

UNCLASSIFIED

UNCLASSIFIED

PAGE 67

MAR 17, 1981

00

DECK STATUS AND SIGNALING SYSTEM) A/W24A-1.

BE FOLLOWED BY A NAVAIENGCEM TEST AGENCY IN TESTING THE FLIGHT DECK STATUS A
TION WILL ALLOW THE NAVAIENGCEM TO CERTIFY THAT EQUIPMENT IS SOUND AND OPER
E. (AUTHOR)

INDEX TERMS ASSIGNED

SIGNALING SYSTEM
USF SIGNALS

FOUND DURING LEXICAL DICTIONARY MATCH PROCESS

TEST AGENCY

UNCLASSIFIED

2

I. INTRODUCTION

A. GENERAL

1. This document was developed as a shipboard procedure to be followed by a NAVAIRENGCEN (Naval Air Engineering Center) test agency in testing the FDSSS for certification purposes. It is designed to provide technical assurance that the subject items are properly installed and operating.

2. Certification testing will be implemented by a NAVAIRENGCEN test agency upon initial installation of equipment and under the circumstances that follow.

a. After major overhaul or modification of equipment.

b. After major overhaul of the ship.

c. When so specified by the Commander, Naval Air Systems Command; the Commanding Officer, NAVAIRENGCEN, or custodian of the systems.

3. Equipment certification may be requested of the NAVAIRENGCEN any time by the appropriate Type Commander.

4. If, in the implementation of the procedures contained in this document, an expected result is not obtained, the operating and maintenance instruction manual, reference (a), and any applicable technical directives (changes and bulletins), should be consulted to identify and correct the problem before proceeding.

B. CERTIFICATION

1. Formal certification of systems is gained by the NAVAIRENGCEN test agency filling out the information requirements in this document, signing the enclosed recommendation for certification, and sending the document to:

Commanding Officer
Naval Air Engineering Center (911)
Lakewood, NJ 08733

2. For certification of an initial installation, this completed document must be accompanied by a complete, detailed set of installation photographs.

3. For ensuing re-certifications, this completed document should be accompanied by any photographs necessary to demonstrate any major changes to the installed system, that is, relocation of system components.

C. CERTIFICATION TEST SUPPORT

1. When certification is required, it is desirable to have a shipyard representative working as liaison with the NAVAIRENGCEN test agent. The following minimum services should be available to the test agent through the shipyard representative.

- a. Test equipment as listed in Section III D.
- b. Ship/shop personnel support for the test work.
- c. Shop services for any equipment found in need of repair.
- d. Still photographic coverage of equipment, as determined by the test agency, with two copies of each photograph furnished.

2. For new installations, it is expected that the installing activity will have verified all wiring according to reference (b), and all material specifications according to applicable installation drawings, reference (c), before the NAVAIRENGCEN test agency starts testing.

D. IN-SERVICE PERFORMANCE DATA

1. When NAVAIRENGCEN agency provides technical support services at the request of a service vessel to correct a malfunctioning system between certifications, a report should be prepared so that a history of component failure or operating difficulty can be maintained. The completed report should be sent to the address stated in paragraph B1 and it should include the following information:

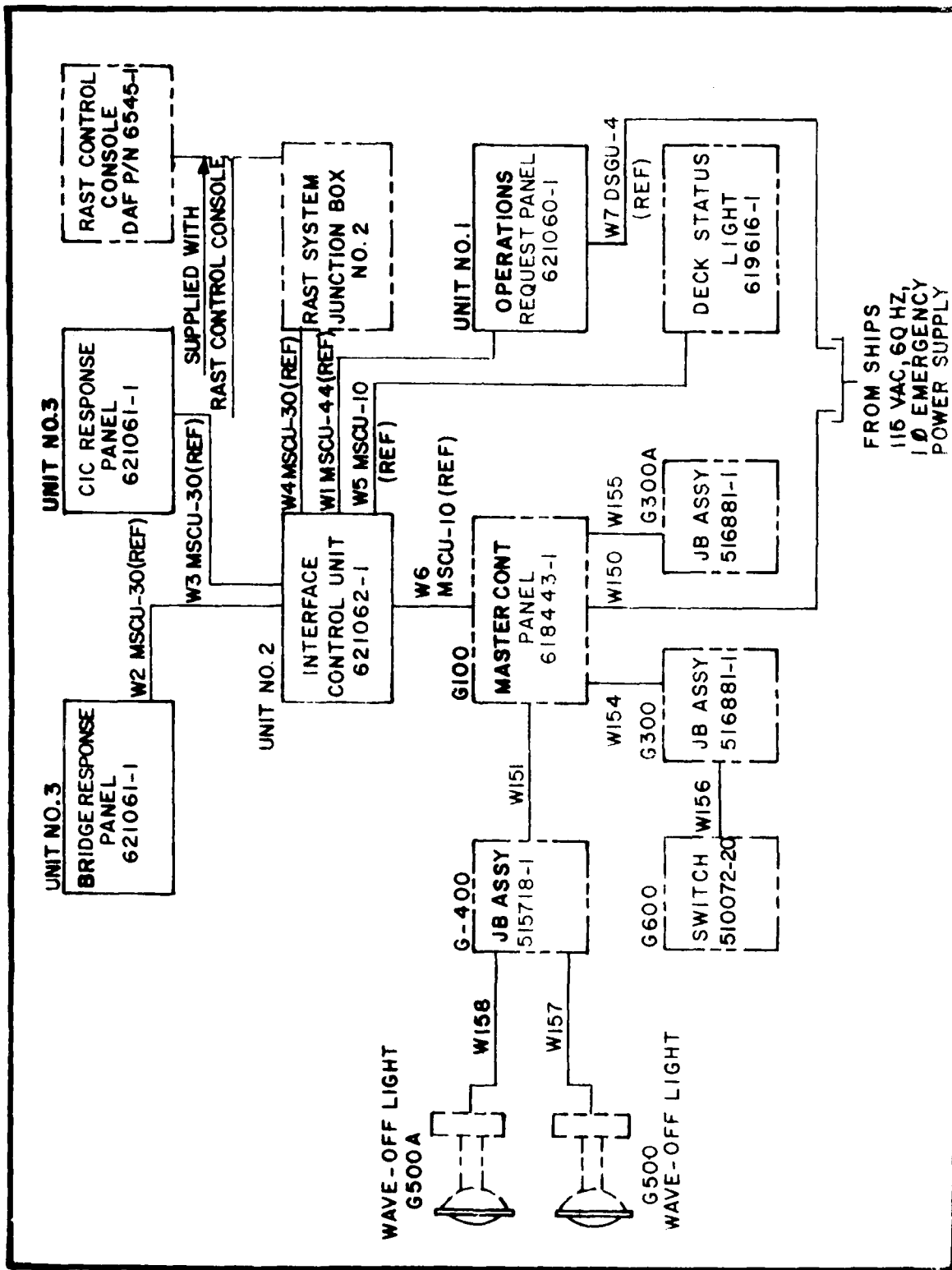
- a. Name and designation of vessel.
- b. Contract number of FDSSS.
- c. Symptoms of malfunction.
- d. Determined reason for malfunction.
- e. Corrective action taken.
- f. Recommendations.
- g. Photographs (if applicable).

II. GENERAL DATA RECORD

- A. Name of Vessel _____
- B. Designation of Vessel _____
- C. Contract Number of FDSSS _____

III. PRELIMINARY INSPECTION OF FDSSS

The purpose of this part of the procedure is to assure by inspection that the FDSSS has been properly installed in accordance with applicable drawings (reference (b) and (c)), Appendix A, and the manual, reference (a). Figure 1 illustrates elements of the entire system. Determine the following under the subsystem indicated. A check mark will indicate a step has been completed.



A. FDSSS REQUEST PANEL 621060-1 (PER-103/W24A-1), (see FIGURE 2).

1. Panel shows no signs of physical damage. _____
2. Panel is located in the helicopter control station within easy reach of the operator while viewing helicopter operations. _____
3. Panel is securely fastened to bulkhead. _____
4. Panel has access space to be serviced. _____
5. Cable and wiring are properly identified and no imperfections or loose connections exist. _____
6. All fasteners are tight. _____

B. FDSSS RESPONSE PANELS (2 EACH) 621061-1 (PER-104/W24A-1), (see FIGURE 3).

1. Panels show no signs of physical damage. _____
2. One panel is located in the Captains's bridge and the other in the CIC (Combat Information Center) in an accessible area manned during helicopter operations. _____

3. CIC panel, mounted to -

Bulkhead Console

4. Bridge panel, mounted to -

Bulkhead Console

5. Panels have access space to be serviced. _____

6. Cable and wiring are properly identified and no imperfections or loose connections exist. _____

7. All fasteners are tight. _____

C. INTERFACE CONTROL UNIT 621062-1 (PER-105/W24A-1), (see FIGURE 4).

1. Unit shows no signs of physical damage. _____
2. Unit is installed in a weathertight compartment (location _____).
3. Panel is securely fastened to a bulkhead. _____
4. Panel has access space to be serviced. _____
5. Cable and wiring are properly identified and no loose connections exist. _____
6. All fasteners are tight. _____

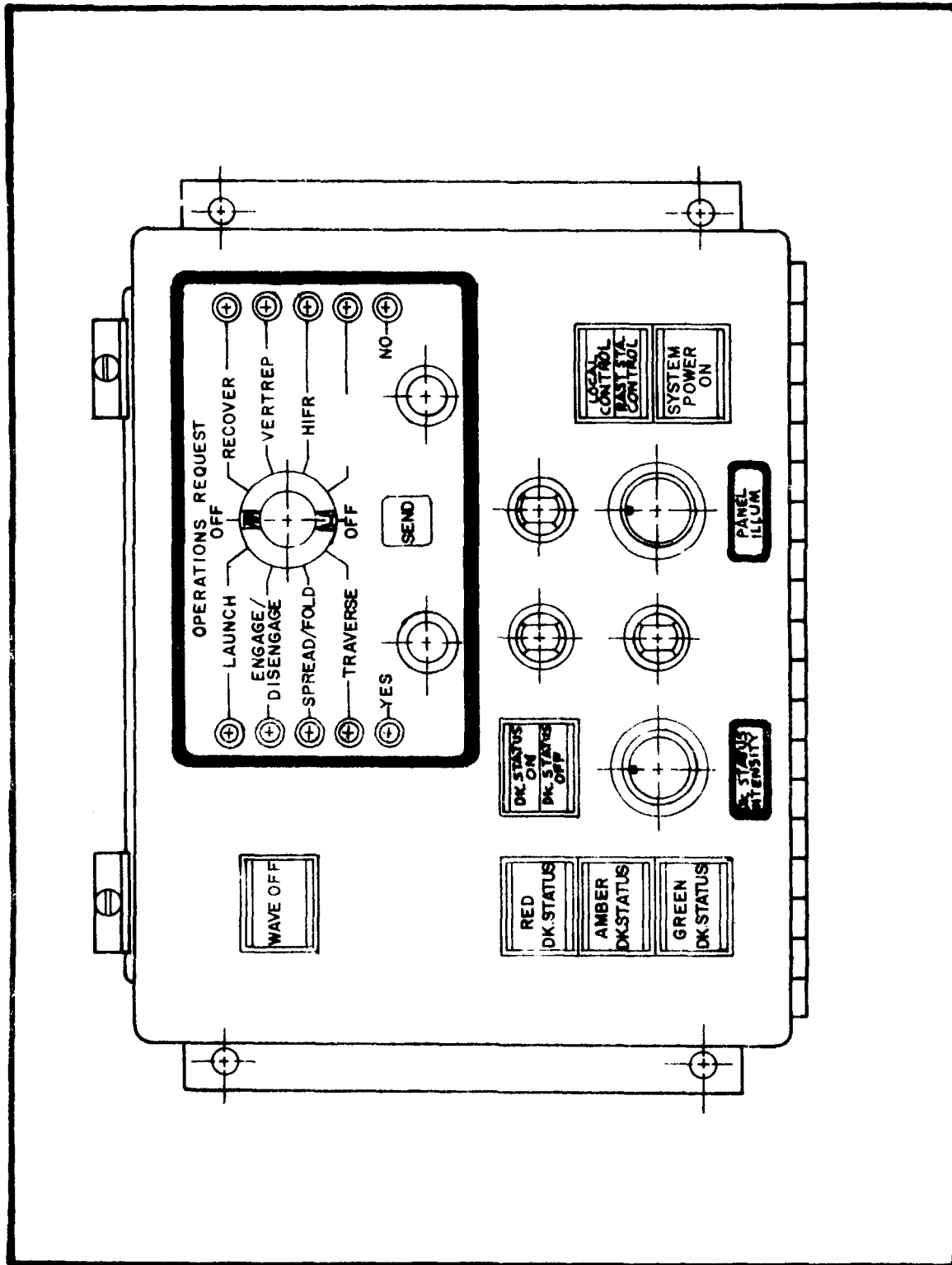


FIGURE 1

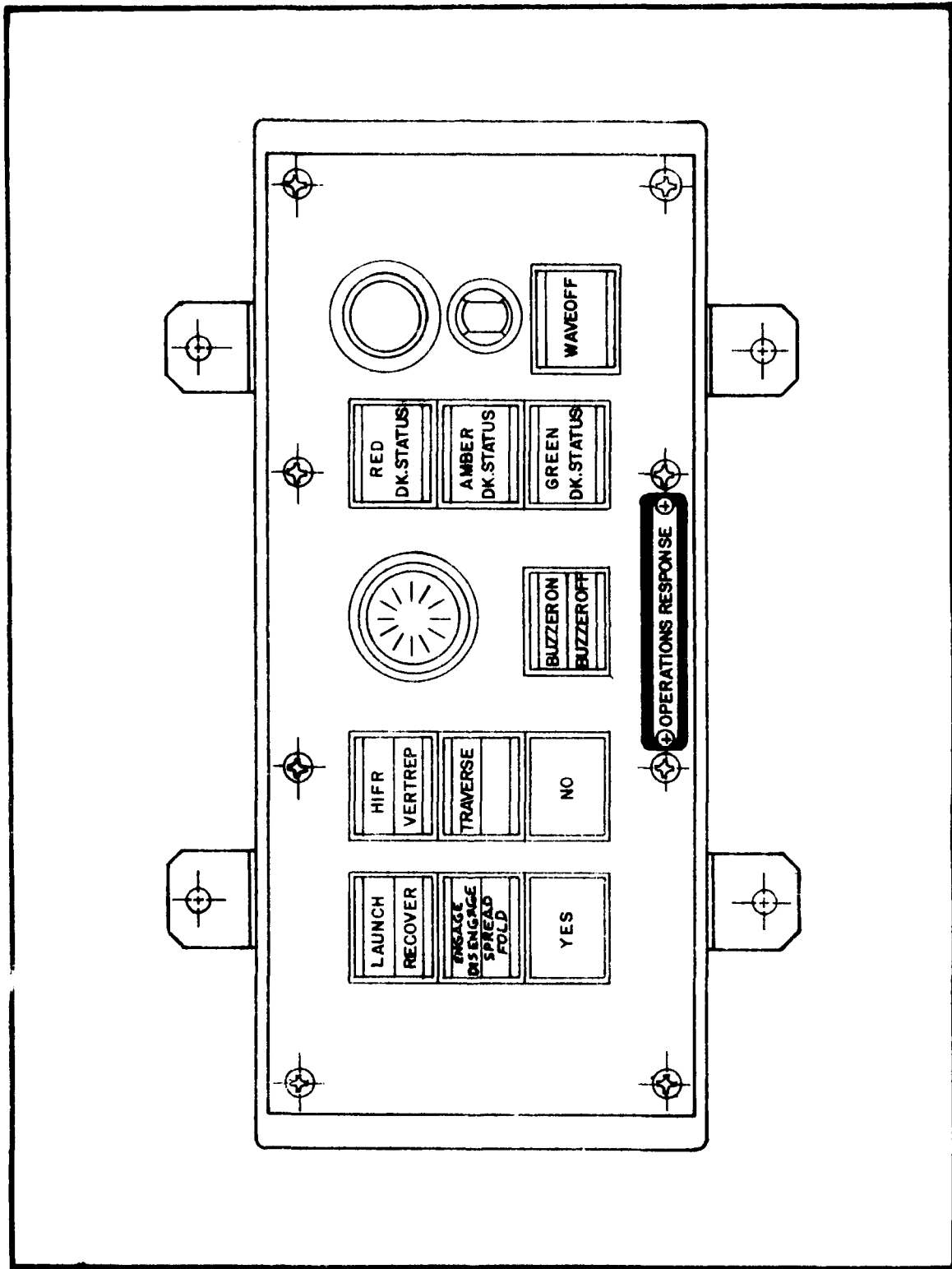
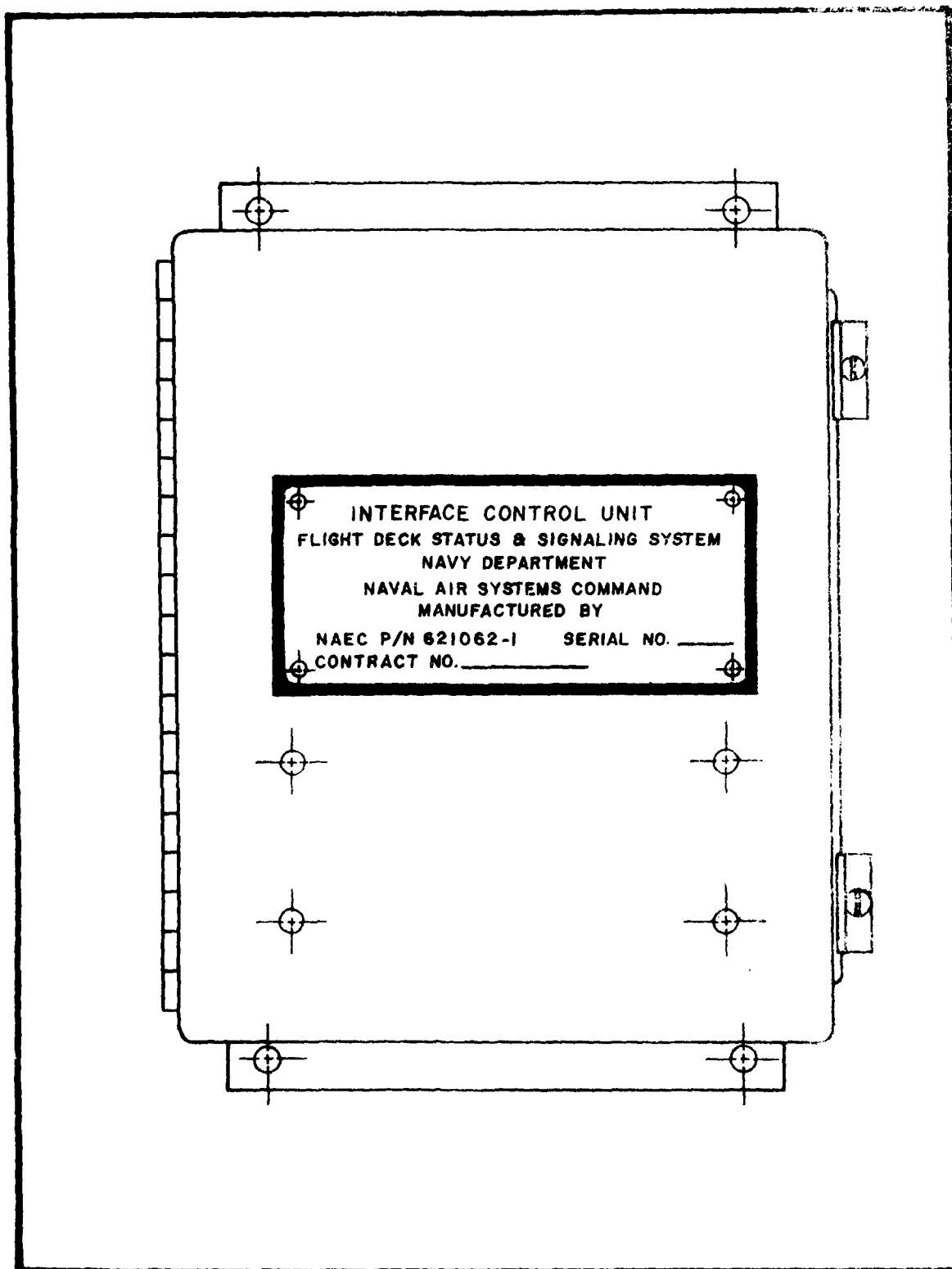


FIGURE 4
OPERATIONS RESPONSE PANEL
DRAWING 6-1061-1



D. REQUIRED TEST EQUIPMENT

1. Volt Ammeter CV-633 (Scat 4236) or equivalent
2. Flattip Screwdriver
3. Number 2 Phillips Screwdriver
4. Five (5) sets of Sound Powered Phones

E. SAFETY INSTRUCTIONS

1. Comply with Navy Safety Precautions for Forces Afloat, OPNAVINST 5100.8 Series.

F. EQUIPMENT INVOLVED IN TEST

<u>Nomenclature</u>	<u>Identification No./Qty.</u>
Wave-off Lights Master Control Panel (MCP)	NAVAIRENGCEN P/N 618443-1/1
Wave-Off Lights Assy (LA)	NAVAIRENGCEN P/N 515921-1/2
Deck Status Light (DSL)	NAVAIRENGCEN P/N 619616-1/1
Bridge Response Panel (BRP)	NAVAIRENGCEN P/N 621061-1/1
CIC Response Panel (CRP)	NAVAIRENGCEN P/N 621061-1/1
Operations Request Panel (ORP)	NAVAIRENGCEN P/N 621060-1/1
RAST Control Console (RCC)	DAF P/N 6545-1/1

G. METHOD

1. Selected signals will be initiated at any one of the control panels, and the proper light response will be checked at separately located pieces of equipment.

H. STATION ASSIGNMENTS

<u>Station</u>	<u>Recommended Number Personnel</u>
Operations Request Panel	One (1) Man
RAST Control Console	One (1) Man
Bridge Response Panel	One (1) Man
CIC Response Panel	One (1) Man
Wave-Off Lights Master Control Panel	} One (1) Man at various times
Wave-Off Lights OR Deck Status Light	

IV. OPERATIONAL TEST OF IDSSS

<u>STEP</u>	<u>STATION</u>	<u>INITIAL CONDITION AND SETUP INSTRUCTIONS</u>
1	MCP	Remove the protective cover. Turn the system circuit breaker switch off. Lift protective cover on remote override switch and turn the switch on. Turn wave-off intensity and panel illumination control knobs to zero.
2	ORP	Turn the operations request knob to the off position and deck status intensity and panel illumination control knobs to the zero position.
3	RCC	Power switch turned off, clearance request control knob turned to the off position, and the panel illumination control knob turned to zero.

<u>STEP</u>	<u>STATION</u>	<u>TEST INSTRUCTIONS</u>
1	MCP	Turn on the system circuit breaker. Turn the Panel Illumination Control Knob to the maximum setting (10).
2	MCP	Turn the Wave-Off Intensity Control Knob to a No. 5 Setting. Lift the cover and move the Remote Override Switch to the off position. Should the Wave-Off Switch start flashing red, a remote station is signaling a wave-off. Go to that station and depress the wave-off switch.
3	MCP/BRP/ CRP/ORP/ RCC	Man the control and the response panels.
4	ORP	Depress the Flight Deck Status and Signaling System Power ON Switch. Turn the Panel Illumination Control Knob to the maximum setting. Depress the Deck Status Light Switch to turn on the Deck Status Light, if it is not already illuminated. Check the illumination of the Deck Status Light and the Deck Status Light Indicators on the other panels. Check background illumination on the Operations Request Panel. Make sure the Local Control/Rast Station Control Switch is in the Local Control Position.
5	BRP/CRP/ RCC	Turn the Panel Illumination Control Knobs to the maximum setting. Check for background illumination.
6	BRP	Depress the Wave-Off Switch. Check illumination of the Wave-Off Lights, Deck Status Light, and the Wave-Off Light and Deck Status Light Switch/Indicators on the other panels.
7	BRP	Depress the Wave-Off Switch. Check for blackout condition of the Wave-Off Lights, illumination of the Deck Status Light, and the Wave-Off Light and Deck Status Light Switch/Indicators on the other panels.
8	ORP	Depress the Green Deck Status Light Switch. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.
9	CRP	Repeat steps 6 and 7 at the CIC Response Panel and step 8 at the Operations Request Panel.
10	ORP	Repeat steps 6, 7 and 8.
11	ORP	Depress the Local/RAST Control Switch. Check the illumination of the Local/RAST Control Switch on the Operations Request Panel and the Send Button on the Operation Request Panel and the RAST Control Console.

<u>STEP</u>	<u>STATION</u>	<u>TEST INSTRUCTIONS</u>
12	RCC	Check that the Deck Status Light Rotary Switch is in the Red position. Repeat steps 6, 7, and 8.
13	RCC	Rotate the Deck Status Light Control Knob to the Green position.
14	ORP	Depress the Local/RAST Control Switch. Check illumination of the Local/RAST Control Switch and the Send Button on the Operations Request Panel and the RAST Control Console.
15	ORP	Turn off the Deck Status Light. Turn on the Deck Status Light. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.
16	ORP	Depress the Green Deck Status Light Switch.
17	ORP	Depress the Amber Deck Status Light Switch. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.
18	ORP	Depress the Local/RAST Control Switch. Check the illumination of the Deck Status Light and the Deck Status Light Switch/Indicators on all panels.
19	RCC	Turn the Deck Status Control Knob to the Amber position. Check the illumination of the Deck Status Light and Deck Status Light Switch/Indicators on all panels.
20	RCC	Repeat step 19 for the Red position.
21	ORP	Depress Local/RAST Control Switch.
22	ORP	Place the Operations Request Knob in the Launch position. Check that the Buzzer ON/OFF Switch in the CIC and Bridge Response Panels is in the ON position. Depress the Send Button. Check the Request Indicator Lights on all panels. Check the Buzzer response on the Bridge Response Panel.
23	BRP	Depress the Buzzer ON/OFF Switch, note the Buzzer response. Depress the Buzzer ON/OFF Switch. Depress the YES Button. Check the Buzzer response. Check the Response and Request Indicator Lights on all panels. Depress the NO Button. Check for no change in the Response Indicator Lights on all panels.
24	ORP	Depress the Send Button.

STEP	STATION	TEST INSTRUCTIONS
25	BRP	Depress the NO Button. Check the Buzzer response. Check the Response Indicator Lights on all panels. Depress the YES Button. Check for no change in the Response Indicator Lights on all panels.
26	ORP	Depress the Send Button. Check the Buzzer response on the CIC Response Panel.
27	CRP	Depress the Buzzer ON/OFF Switch. Note the Buzzer response. Depress the Buzzer ON/OFF Switch. Depress the YES Button. Check the Buzzer response. Check the Response and Request Indicator Lights on all panels. Depress the NO Button. Check for no change in the Response Indicator Lights.
28	ORP	Depress the Send Button.
29	CRP	Depress the NO Button. Check the Buzzer response. Check the Response Indicator Lights on all panels. Depress the YES Button. Check for no change in the Response Indicator Lights on all panels.
30	CRP	Repeat steps 22 thru 29 with the Operations Request Knob in the following positions: <ul style="list-style-type: none"> a. Engage/Disengage b. Spread/Fold c. Traverse d. Recover e. VERTREP f. HIFR <p>NOTE: There is no Request Indicator Light for VERTREP or HIFR in the RAST Control Console.</p>
31	ORP	Place the Operations Request Knob in the OFF position. Depress the Local/RAST Control Switch.
32	RCC	Repeat steps 22 thru 29 with the Clearance Request Knob in each of the following positions: <ul style="list-style-type: none"> a. Engage/Disengage b. Spread/Fold c. Traverse d. Launch e. Recover

<u>STEP</u>	<u>STATION</u>	<u>SHUTDOWN INSTRUCTIONS</u>
1	MCP	Turn off the System Circuit Breaker.
2	ORP	Depress the Local Control Switch. Depress the Deck Status Light ON/OFF Switch. Depress the System Power Switch.

TEST DATA RECORDING

<u>STEP</u>	<u>FUNCTION</u>	<u>EXPECTED RESULTS</u>	<u>ACTUAL RESULTS</u>
1	Wave-off Light System Panel Lights ON/OFF	ON	
4	Deck Status Light System Deck Status Light Illumination Green/Amber/Red	Red	
	Deck Status Light Indicators Green/Amber/Red	Red	
	Background Illumination ON/OFF	ON	
5	Deck Status Light System Background Illumination ON/OFF	ON	
6	Wave-Off Light System Wave-Off Light Illumination OFF/Flashing Red	Flashing Red	
	Deck Status Light Green/Amber/Red	Red	
	Wave-Off Light Indicator Green/Flashing Red	Flashing Red	
	MCP Wave-Off Command Location MCP/BRP/CRP/GRP/DECK (Green/Red)	BRP (Red)	
	Deck Status Light Indicators Green/Amber/Red (Flashing Red at RCC)	Red	
7	Wave-Off Light System Wave-Off Light Illumination OFF/Flashing Red	OFF	
	Deck Status Light Illumination Green/Amber/Red	Red	
	Wave-Off Light Indicators Green/Flashing Red	Green	
	MCP Wave-Off Command Location Green/Red	Green	
	Deck Status Light Indicators Green/Amber/Red	Red	

TEST DATA RECORDING

<u>STEP</u>	<u>FUNCTION</u>	<u>EXPECTED RESULTS</u>	<u>ACTUAL RESULTS</u>
8	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Green	
	Deck Status Light Indicators Green/Amber/Red	Green	
9	Same as steps 6, 7 and 8 except MCP Wave-Off Command Location	Same as steps 6, 7, & 8 CRP	
10	Same as steps 6, 7 and 8 except MCP Wave-Off Command Location	RCP	
11	Wave-Off Light System		
	Local/RAST Control Switch Illumination		
	Local/RAST Sta Control	RAST Sta Control	
	Send Button		
	ORP ON/OFF	OFF	
	RCC ON/OFF	ON	
12	Same as steps 6, 7 and 8 except MCP Wave-Off Command Location and Deck Status Light Illumina- tion and Indicators	Deck Red	
13	Same as step 8		
14	Wave-Off Light System		
	Wave-Off Light Illumination Green/Flashing Red	Flashing Red	
	Deck Status Light System		
	Local/RAST Control Switch Illumination		
	Local/Rast Sta	Local	
	Send Button Illumination		
	CRP ON/OFF	ON	
	RCC ON/OFF	OFF	

TEST DATA RECORDING

<u>STEP</u>	<u>FUNCTION</u>	<u>EXPECTED RESULTS</u>	<u>ACTUAL RESULTS</u>
15	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Red	
	Deck Status Light Indicators Green/Amber/Red	Red	
	Deck Status ON/OFF Switch Illumination ON/OFF	ON	
16	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Green	
	Deck Status Light Indicator Green/Amber/Red	Green	
17	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Amber	
	Deck Status Light Indicators Green/Amber/Red	Amber	
18	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Green	
	Deck Status Light Indicators Green/Amber/Red	Green	
19	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Amber	
	Deck Status Light Indicators Green/Amber/Red	Amber	
20	Deck Status Light System		
	Deck Status Light Illumination Green/Amber/Red	Red	
	Deck Status Light Indicators Green/Amber/Red	Red	

TEST DATA RECORDING

<u>STEP</u>	<u>FUNCTION</u>	<u>EXPECTED RESULTS</u>	<u>ACTUAL RESULTS</u>
22	Signaling System		
	Request Indicator Light Flashing/OFF (BRP, CRP) ON/OFF (ORP, RCC)	Flashing ON	
	Buzzer Response ON/OFF	ON	
23	Signaling System		
	Buzzer Response ON/OFF	OFF	
	Response Indicator Light YES/NO	YES	
	Buzzer Response ON/OFF	OFF	
	Response Indicator Light YES/NO	YES	
	Request Indicator Light Flashing/Steady	Steady	
25	Signaling System		
	Buzzer Response ON/OFF	OFF	
	Response Indicator Light YES/NO	NO	
26	Signaling System		
	Buzzer Response ON/OFF	ON	
27	Same as step 23	Same as step 23	
29	Same as step 25	Same as step 25	
30	Same as steps 23, 25, 27 & 29	Same as steps 23, 25, 27 & 29	
32	Same as steps 23, 25, 27 & 29	Same as steps 23, 25, 27 & 29	

V. REFERENCES

(a) Technical Manual, NAVAIR AD-40080-OMI-000, Operation and Maintenance Instructions with Illustrated Parts Breakdown, Flight Deck Status & Signaling System.

(b) NAVAIRENGEN Drawing 621156; Flight Deck Status & Signaling System Interconnecting Cabling Diagram.

(c) NAVAIRENGEN Drawing 621155; Flight Deck Status & Signaling System Kit & Installation Requirements.

APPENDIX A - CLASS DRAWINGS AND TEST AGENT CERTIFICATION

A. Lighting and Marking Arrangement LAMP'S MK III Class Drawings:

NAVAIRENGCEN Drawing No.	Vessel Class
620540	CGN-42
621161	DD-963
620186	CG-47
620588	FFG-7

B. Test Agent's Recommendation for Certification.

It is recommended that the condition
of the FDSSS aboard the USS _____
be certified acceptable for fleet operations.

Signed _____
Test Agent, Agency

Date _____

NOTE: Write the name and designation of the ship to be certified on
the cover of this document before sending it to the NAVAIRENGCEN.

DISTRIBUTION LIST

Internal.

115

91119

91131 (5)

91133

1114 (10 copies for stock)

955 (15)

External

NAVAIRSYSCOM

AIR-551

AIR-00D4 (2)

DTIC (12)

REVISION LIST

[illegible]

